

What is claimed is:

1. A protection method for a manual ejection operation of an optical disk drive, a locked state is set when the optical disk drive is in normal rotation, characterized in that:

5 maintaining the locked state when the manual ejection operation is activated.

2. The protection method for the manual ejection operation of the optical disk drive as claimed in claim 1, wherein the manual ejection operation is
10 performed by inserting a slim bar into a round opening on a panel of the optical disk drive.

3. The protection method for the manual ejection operation of the optical disk drive as claimed in claim 1, wherein a loading voltage is applied to a tray
15 motor of the optical disk drive for maintaining the locked state when the manual ejection operation is activated.

4. The protection method for the manual ejection operation of the optical disk drive as claimed in claim 3, wherein the loading voltage is applied to resist a
20 forced ejection of a tray.

5. A protection method for a manual ejection operation of an optical disk drive, comprising following steps:

 Sensing a stage change from a first stage to a second stage of a load-
25 sensing switch in a locked state; and
 returning to the first stage of the load-sensing switch.

6. The protection method for the manual ejection operation of the optical disk drive as claimed in claim 5, wherein the stage change of the load-sensing switch is sensed when the manual ejection operation is activated.

7. The protection method for the manual ejection operation of the optical disk drive as claimed in claim 5, wherein the locked state is set when the optical disk drive is in normal rotation.

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8. The protection method for the manual ejection operation of the optical disk drive as claimed in claim 5, wherein the manual ejection operation is performed by inserting a slim bar into a round opening on a panel of the optical disk drive.

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9. The protection method for the manual ejection operation of the optical disk drive as claimed in claim 5, wherein a loading voltage is applied for returning to the first stage.

45 10. The protection method for the manual ejection operation of the optical disk drive as claimed in claim 9, wherein the loading voltage is applied to resist a forced ejection of a tray.

50 11. The protection method for the manual ejection operation of the optical disk drive as claimed in claim 5, wherein the first stage is an on stage or an off stage.

12. The protection method for the manual ejection operation of the optical disk drive as claimed in claim 5, wherein the second stage is an on stage or an off
55 stage.

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